| ıde. | - | _ | - | |
|----------|-------|---|---|--|
| | | | | |

Application No.

09/540,470

Examiner

John Manning

Applicant(s)

TAKANO ET AL.

Art Unit

2614

| √ | Rejected |
|---|----------|
| , | Daireted |

_ (Through numeral)
Cancelled

Restricted I Inte

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| Α | Appeal |
|---|----------|
| o | Objected |

| Cla | Claim Date | | | 7::: | CI | aim | | | Date | | | | | | CI | aim | Date | | | | | | | | | | | | | |
|----------|---------------|----------|---------------|----------|-----------------|----------|----------|--|----------|-------|----------|----------|------------------|----------|---------|---------|-----------------|---------------------|----------|--|--|------------|---------------|---------|--|-----------------|----------|-----------|----------|-----------|
| | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | \neg | \neg | Т | ヿ |
| त्त | Original | 11/29/04 | | | 1 | | | | | | ल | Original | | | | | | | | | त्त | Original | | | | | | | | - 1 |
| Final | į <u>b</u> į. | 129 | | - 1 | | | | | | | Final | <u></u> | | 1 | | | - 1 | | | | Final | Ē | | | | | | | | |
| " | ō | Ξ | | | ļ | | | | | - | 1 - | ΙŌ | 1 1 | | | | - 1 | | | | _ | ō | | | } | | | | | |
| | 4 | √ | | \dashv | _ | \dashv | | + | + | - | - | EA | ╁ | | + | ╅╌┤ | | +- | + | | | 101 | | + | + | | | | + | \dashv |
| - | 1 | | \vdash | \dashv | - | \dashv | \dashv | + | | +::: | - | 51 | ╁┈┼ | | + | + | \dashv | | ╁┈ | | | | | +- | - | \vdash | \dashv | \dashv | + | \dashv |
| | 2 | 1 | \vdash | - | _ | _ | | + | + | - | | 52 | - | | + | 1-1 | -+ | + | \vdash | | | 102 103 | + | + | - | \vdash | | \dashv | + | 一 |
| | 3 | 1 | \sqcup | _ | _ | 4 | | - | | 4 | | 53 | | _ | + | +1 | \dashv | _ | \vdash | | | | + | + | \vdash | | \dashv | 4 | -+ | |
| <u> </u> | 4 | 1 | | | - | _ | _ | | | - | <u> </u> | 54- | | | 1_ | - | _ | | 1 | | | 104 | | - | ļ | - | _ | _ | 4 | _ |
| | 5 | 1 | | | | _ | | | | 1 | | 55 | | | | 4 | _ | | | | | 105 | _ | | \perp | | _ | _ | _ | _ |
| | 6 | 4 | Ш | | | | | | <u>.</u> | | <u> </u> | 56 | | | _ | 1 | | | | | | 106 | | | | | _ | _ | _ | |
| | 7 | √ | | | | | | | | | <u></u> | 57 | | - 00 | | | | | | | | 107 | | | | | | | | |
| | 8 | 1 | | | | | | | | | 1 | 58 | | | | | | | | | | 108 | | | | | | | | |
| | 9 | 1 | | | | | | | | 7:0 | 1 | 59 | | | | | | | | | | 109 | | | | | | | | |
| | 10 | √ | | | | | | | | 7:: | | 60 | П | | | | | | | | | 110 | | | 1 | | Î | Ţ | | |
| | 11 | 0 | П | | | 7 | \neg | \neg | | 7 | | 61 | | | T | | 7 | \neg | | | | 111 | | | T | | | | 丁 | コ |
| | 12 | 0 | П | | | 一十 | | \dashv | \top | | | 62 | \Box | | 1 | \Box | | \top | | | | 112 | | | T | \Box | | | す | \dashv |
| | 13 | ō | \vdash | | | \dashv | | \dashv | \top | 10 | | 63 | \vdash | | \top | T | \dashv | $\neg \dagger \neg$ | | | | 113 | \neg | \top | 1 | | | \exists | 十 | \dashv |
| | 14 | 6 | \vdash | | | \dashv | \dashv | + | -+- | 1:: | - | 64 | \vdash | - | + | +- | | \dashv | \vdash | | | 114 | \dashv | + | | Н | | \dashv | \dashv | ᅱ |
| | 15 | √ | + | - | \dashv | - | | \dashv | + | - | - | 65 | ┼┼ | | + | + | \dashv | | +- | | | 115 | \dashv | | | $\vdash \vdash$ | | + | 十 | ᅱ |
| - | | _ | \vdash | _ | | - | | -+ | | - | _ | | \vdash | - | | +- | \dashv | _ | + | | | 116 | - | + | - | \vdash | | | + | \dashv |
| - | 16 | 1 | \vdash | | \vdash | - | \dashv | -+ | + | - | - | 66 67 | ⊢ | | + | + | \dashv | | - | | | 117 | | | ╁ | Н | | -1 | \dashv | \dashv |
| | 17 | √ | | | \dashv | _ | _ | -+ | _ | - ::: | | | \vdash | | + | \perp | | | \vdash | | | | | | - | | | | -+ | \dashv |
| | 18 | 1 | | | | | | _ | \perp | 4 | | 68 | Ш | | | | | _ | ļ | | | 118 | | | ļ., | | _ | _ | - | _ |
| | 19 | √ | | | | | | | | _ | | 69 | Ш | | | | | | ļ | | | 119 | | | ļ | | _ | _ | _ | |
| | 20 | V | | | | | | | | | | 70 | | | | | | | _ | | | 120 | | \perp | | | | | | |
| | 21 | √ | | | | | | | | 7 | | 71 | | | | | | | | | | 121 | | | | | | | | |
| | 22 | V | | | | | | | | | | 72 | | | Т | | | | | | | 122 | | | | | | | П | |
| | 23 | V | | | | | _ | \neg | T | 7 | | 73 | Ħ | | \top | 1 | | | | | | 123 | | | | | \neg | | П | |
| | 24 | V | | _ | | T | - 1 | \neg | | 1 | _ | 74 | Ħ | | | T | | | 1 | | | 124 | | | | | \neg | | | \neg |
| - | 25 | V | | | | \neg | \neg | \dashv | | 7 | | 75 | H | | | | \neg | | 1- | | | 125 | $\neg \vdash$ | | | | | | 寸 | _ |
| | 26 | V | | _ | | \dashv | + | -+ | \dashv | - | | 76 | ╁─┤ | _ | ╁ | + | | + | 1 | | | 126 | | \top | 1 | | | | 十 | \exists |
| | 27 | V | | - | | | - | - | + | +::: | - | 77 | \vdash | _ | + | + | | + | + | | - | 127 | | + | + | | | | \dashv | \dashv |
| | | | _ | | \vdash | | 101 | | | - | - | 78 | ┨ | + | + | + | - | | + | | | 128 | - | + | 1 | \vdash | \dashv | | + | \dashv |
| | 28 | 0 | | | \vdash | \dashv | | | + | 1 | | 70 | ╁╌┤ | | + | + | \dashv | + | +- | | | 129 | | | + | H | \dashv | | + | |
| | 29 | 0 | | | | \perp | | - | | 4 | - | 79 | \vdash | | | + | -1 | - | + | | | | _ | - | 1 | \vdash | | | + | \dashv |
| | 30 | 0 | | | \sqcup | | | _ | | 4 | _ | 80 | - | - | - | ┾ | - | | + | | | 130 | - | - | + | \vdash | \dashv | _ | + | \dashv |
| | 31 | V | | | | | | | | 4 | <u> </u> | 81 | \sqcup | _ | | | | | - | | | 131 | \perp | | | - | | _ | + | \dashv |
| | 32 | 1 | | | | | _ | _ | | 1 | | 82 | | | 4 | 1 | \sqcup | \perp | 1_ | | | 132 | \perp | | ₩ | | _ | 4 | \dashv | |
| | 33 | | $oxed{oxed}$ | | Ш | | | | \perp | 4 | | 83 | Ш | | \perp | | Щ | | <u> </u> | | | 133 | \perp | 4- | ļ | | _ | _ | \dashv | _ |
| | 34 | L | | | | | | | | _ | | 84 | Ш | | | | | | | | | 134 | | | | Ш | | | _ | |
| | 35 | Ĺ | | | | | | | | | | 85 | \Box | | | | | | | | | 135 | | | <u> </u> | Ľ | | | \perp | |
| | 36 | | | | | | | | | | | 86 | | | | | | | | | | 136 | | | L | | I | | | |
| | 37 | T | | | | | | | | 1 | | 87 | | | | | | | | | | 137 | | | | | | | | _] |
| | 38 | Г | T | \Box | | \neg | T | 寸 | | 7 | | 88 | \Box | | | 1 | | | | | | 138 | | 1 | | | | | \neg | \neg |
| | 39 | T | 1 | | \vdash | \vdash | | | \top | 1 | | 89 | 1 | | 1 | | \sqcap | | T- | | | 139 | | 1 | | | | 寸 | \dashv | \neg |
| | 40 | | T | _ | \vdash | \dashv | \dashv | 十 | | 1 | | 90 | \dagger | | +- | 1 | - | $\neg \vdash$ | 1 | | | 140 | | 1 | t | П | \neg | _ | _ | ᅱ |
| | 41 | | \vdash | — | \vdash | \dashv | \dashv | \dashv | | 1 | | 91 | \Box | \dashv | 1 | \top | \vdash | | +- | | | 141 | | +- | † | H | | \dashv | _ | ㅓ |
| <u> </u> | 42 | - | +- | | $\vdash \vdash$ | \dashv | + | \dashv | -+ | - | \vdash | 92 | + - | - | + | +- | $\vdash \dashv$ | - | + | | | 142 | | + | + | \vdash | | \dashv | + | \dashv |
| \vdash | 42 | - | + | - | \vdash | | \dashv | | -+ | - | \vdash | 93 | + | \dashv | + | + | $\vdash \dashv$ | \dashv | +- | | | 143 | -+ | + | + | - | \dashv | \dashv | + | \dashv |
| — | | \vdash | \vdash | <u> </u> | \vdash | \dashv | \dashv | \dashv | | - | | | + | | + | - | | + | +- | | | 144 | ++ | + | + | \vdash | | \dashv | + | \dashv |
| <u></u> | 44 | - | 4— | | \vdash | \vdash | -+ | | | 4::: | - | 94 | + | + | + | + | \vdash | - | +- | | | 144 | | | \vdash | \vdash | - | -+ | + | \dashv |
| | 45 | _ | \perp | _ | \sqcup | \dashv | \dashv | _ | | 4 | | 95 | \vdash | | +- | + | \vdash | | ╄- | | | | \vdash | + | - | - | | - | \dashv | ᅴ |
| | 46 | L- | | _ | \Box | \sqcup | _ | _ | _ _ | 4 | | 96 | \vdash | \perp | \perp | | \vdash | | ╄- | | | 146 | | - | - | Ш | | _ | \dashv | |
| | 47 | L | | L_ | | | | \perp | | 1 | | 97 | \sqcup | | 4_ | | \sqcup | | 1_ | | | 147 | $\sqcup \bot$ | \bot | 1_ | \square | | | \dashv | \dashv |
| | 48 | L | | | \bigsqcup | | | | | | | 98 | \perp | \perp | | | Ш | | | | | 148 | | _ _ | | Ш | | | \dashv | |
| | 49 | Ĺ | | | | | | | | _]::: | | 99 | | | | | L_I | | | | | 149 | | \perp | | Ш | | | \perp | |
| | 50 | | T | <u> </u> | | | \neg | \neg | \top | 7 | | 100 | | T | | | | | | | | 150 | | | | | | | |] |
| | | | - | ٠ | | | | ــــــــــــــــــــــــــــــــــــــ | | | | * | | | | | | | | | | | | | | | | | | |